

IN THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Original) A method for battery conservation in a wireless communication system having a wireless transmit/receive unit (WTRU) and a radio network controller (RNC), the method comprising the steps of:

requesting a battery level measurement from the WTRU by the RNC;
measuring the battery level at the WTRU;
reporting the battery level measurement from the WTRU to the RNC;
storing the battery level measurement in the RNC;
accessing the battery level measurement by radio resource management (RRM) procedures in the RNC; and
applying the battery level measurement to the RRM procedures, whereby the battery of the WTRU is conserved due to adjustments made to the procedures based on the battery level measurement.

2. (Original) The method according to claim 1, wherein said requesting step includes sending a measurement control message from the RNC to the WTRU.

3. (Original) The method according to claim 2, wherein the measurement control message includes measurement reporting criteria.

4. (Original) The method according to claim 1, wherein said reporting step includes sending a measurement report message from the WTRU to the RNC.

5. (Original) The method according to claim 4, wherein the measurement report message includes the number of remaining minutes of talk time and the number of remaining minutes of idle time.

6. (Original) The method according to claim 4, wherein the measurement report message includes the percentage of available battery power remaining.

7. (Original) A system for battery conservation in a wireless communication system having a wireless transmit/receive unit (WTRU) and a radio network controller (RNC), comprising:

requesting means for requesting a battery level measurement from the WTRU by the RNC;

measuring means for measuring the battery level at the WTRU;

reporting means for reporting the battery level measurement from the WTRU to the RNC;

storing means for storing the battery level measurement;

accessing means for accessing the battery level measurement by radio resource management (RRM) procedures in the RNC; and

applying means for applying the battery level measurement to the RRM procedures, whereby the battery of the WTRU is conserved due to adjustments made to the procedures based on the battery level measurement.

8. (Original) The system according to claim 7, wherein said requesting means includes a measurement control message sent from the RNC to the WTRU.

9. (Original) The system according to claim 8, wherein said measurement control message includes measurement reporting criteria.

10. (Original) The system according to claim 7, wherein said reporting means includes a measurement report message sent from the WTRU to the RNC.

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11. (Original) The system according to claim 10, wherein said measurement report message includes the number of remaining minutes of talk time and the number of remaining minutes of idle time.

12. (Original) The system according to claim 10, wherein said measurement report message includes the percentage of available battery power remaining.

13. (Original) The system according to claim 7 wherein said storing means includes a database in the RNC.

14. - 31. (Canceled)